

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	4	("3578502" "4702971" "6009742").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 09:29
S1	9	("20020172633" "0028792" "3785948" "4186072" "4618855" "5695624" "5827415").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 09:34
S5	2	Blonar-Tom.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 09:35
S3	8	Shuk-Pavel.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 09:35
S7	1	Keyes-Marion.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 09:36
S6	1	Molnar-Ray.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 09:36
S8	35	Keyes-Marion-A.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 12:57
S14	45	S10 S9 S11 S12 S13	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 13:00
S13	35	Keyes-Marion-A.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 13:00
S12	1	Molnar-Ray.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 13:00
S11	2	Blonar-Tom.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 13:00
S10	3	Manoharan-Ramasamy.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 13:00
S9	8	Shuk-Pavel.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 13:00
S16	131	S15 and (combust\$5 with gas)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 13:16
S18	528	204/431.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 13:56

## EAST Search History

S17	1954	204/424-429.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 13:56
S19	444	205/784-785.5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 13:57
S21	108	204/290.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 13:58
S20	863	73/23.31.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 13:58
S23	5	S22 and "resistance temperature device"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 14:01
S24	24	S22 and ("resistance temperature device" or RTD)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 14:11
S25	195	S22 and (perovskite or hopcalite)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 14:13
S26	10	S22 and hopcalite	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/25 14:48
S27	9	"resistance temperature device" same stainless	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/25 14:49
S28	1022	combust\$5 with catalyst with (hopcalite or perovskite or "metal oxide")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/28 08:18
S29	125	(combust\$5 near4 cataly\$5) with (hopcalite or perovskite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/28 08:48
S30	18	(combust\$5 near4 cataly\$5) with (hopcalite or perovskite) and (gas with analy\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/28 09:01
S32	4	("1992747" "2042646" "2768069" "2833629").pn.	USPAT	OR	ON	2006/08/28 09:04

## EAST Search History

S31	8	("1992747" "2042646" "2768069" "2833629").pn.	USPAT; USOCR	OR	ON	2006/08/28 09:04
S33	10	("3687631").URPN.	USPAT	OR	ON	2006/08/28 09:12
S34	1	("3906721").PN.	USPAT	OR	ON	2006/08/28 09:53
S15	750	"resistance temperature device"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/28 09:55
S35	46	("resistance temperature device" or RTD) and perovskite	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/28 10:31
S36	529	perovskite with sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/28 10:59
S37	8	perovskite with (thermal with resist\$5) with sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/28 11:01
S39	10	perovskite with (combust\$5 near5 gas near3 sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/28 11:03
S38	0	perovskite with (combust\$5 near5 gas near3 sensor) and RTD	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/28 11:03
S45	3324	S40 S41 S42 S43 S44	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 13:23
S44	108	204/290.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 13:23

## EAST Search History

S43	863	73/23.31.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 13:23
S42	444	205/784-785.5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 13:23
S41	528	204/431.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 13:23
S40	1954	204/424-429.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 13:23
S47	0	Light-arthur.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/28 13:40
S46	46	S45 and "stainless steel" with (corrosion or corroded\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 13:40
S48	1	Light-A.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/28 13:42
S51	387439	S49 and Ti or titanium	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 14:51
S50	1	S49 and perovskite	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 14:51
S52	12	S49 and (Ti or titanium)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/28 14:52
S53	1	"4355056".pn.	USPAT	OR	ON	2006/08/28 15:33
S54	13	("4355056").URPN.	USPAT	OR	ON	2006/08/28 15:36
S60	3324	S55 S56 S57 S58 S59	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 08:25
S59	108	204/290.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 08:25
S58	863	73/23.31.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 08:25
S57	444	205/784-785.5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 08:25

## EAST Search History

S56	528	204/431.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 08:25
S55	1954	204/424-429.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 08:25
S62	0	S61 and ebonite	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 08:26
S61	61	S60 and (insulat\$5 with ((ceramic adj cement) adhesive epoxy))	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 08:26
S63	0	((calorimetric adj sensor) with gas\$4) and (insulat\$5 with ((ceramic adj cement) adhesive epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 08:36
S49	62	(calorimetric adj sensor) with gas\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 08:36
S66	0	(calorimetric adj sensor) and (insulat\$5 with (cement (ceramic adj cement) adhesive epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 09:56
S64	0	(calorimetric adj sensor) and (insulat\$5 with ((ceramic adj cement) adhesive epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 09:56
S67	238	("resistance temperature device" or RTD) and (insulat\$5 with (cement (ceramic adj cement) adhesive epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 09:57
S65	225	("resistance temperature device" or RTD) and (insulat\$5 with ((ceramic adj cement) adhesive epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 09:57
S69	0	EP0327252	EPO	OR	ON	2006/08/29 10:48

## EAST Search History

S68	103	("resistance temperature device" or RTD)and (gas near3 (detect\$4 analy\$4 sensor)) and (insulat\$5 with (cement (ceramic adj cement) adhesive epoxy))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 10:48
S70	0	EP0327252	FPRS; EPO; DERWENT	OR	ON	2006/08/29 10:54
S72	1	"4767468".pn.	USPAT	OR	ON	2006/08/29 10:56
S71	1	"4477687".pn.	USPAT	OR	ON	2006/08/29 10:56
S73	1	("4767468").URPN.	USPAT	OR	ON	2006/08/29 10:59
S75	1	("4971452").PN.	USPAT	OR	ON	2006/08/29 11:00
S74	14	("4971452").URPN.	USPAT	OR	ON	2006/08/29 11:00
S77	18	S76 and (perovskite stainless steel ceramic cement adhesive epoxy)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/29 11:13
S76	30	(US-20040129562-\$ or US-20020092779-\$).did. or (US-5813764-\$ or US-5338515-\$ or US-5486336-\$ or US-6009742-\$ or US-6862915-\$ or US-7036982-\$ or US-6846458-\$ or US-6344173-\$ or US-6242263-\$ or US-6037183-\$ or US-5616850-\$ or US-7001495-\$ or US-6270651-\$ or US-4820386-\$ or US-4816800-\$ or US-4221206-\$ or US-5265417-\$ or US-5444974-\$ or US-4971452-\$ or US-4477687-\$ or US-4767468-\$).did. or (US-3687631-\$ or US-2916358-\$).did. or (EP-849587-\$).did. or (US-6344173-\$ or EP-333103-\$ or DE-2533442-\$ or EP-703449-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/29 11:23
S79	1	"3607084".pn.	USPAT	OR	ON	2006/08/29 11:25
S78	1	"4355056".pn.	USPAT	OR	ON	2006/08/29 11:25
S80	34	("3607084").URPN.	USPAT	OR	ON	2006/08/29 11:26

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S81	31	(US-20040129562-\$ or US-20020092779-\$).did. or (US-4971452-\$ or US-7036982-\$ or US-7001495-\$ or US-6862915-\$ or US-6846458-\$ or US-6344173-\$ or US-6270651-\$ or US-6242263-\$ or US-6037183-\$ or US-6009742-\$ or US-5813764-\$ or US-5486336-\$ or US-5444974-\$ or US-5338515-\$ or US-5265417-\$ or US-4820386-\$ or US-4816800-\$ or US-4477687-\$ or US-4221206-\$ or US-4767468-\$ or US-5616850-\$ or US-4355056-\$).did. or (US-3687631-\$ or US-2916358-\$). did. or (EP-849587-\$).did. or (US-6344173-\$ or EP-703449-\$ or EP-333103-\$ or DE-2533442-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/29 14:56
S82	4	S81 and perovskite	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/29 14:58
S83	26	(perovskite with (metal adj oxide)) and (RTD or "resistance temperature device" or (calorimet\$4 adj sensor))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/29 15:06
S85	1	"3897367".pn.	USPAT	OR	ON	2006/08/29 15:53
S87	18	((gas adj sensor) with (oxidat\$4 near3 cataly\$4) with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 15:56
S86	0	((gas adj sensor) with (oxidat\$4 near3 cataly\$4) with metal) same perovskite	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/29 15:56
S88	1	"3951603".pn. and (resistance with increase)	USPAT	OR	ON	2006/08/30 08:20
S90	0	S89 and (perovskite and tailing and sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 08:22
S89	35897	Hitachi.as.	USPAT; USOCR	OR	ON	2006/08/30 08:22
S91	23	S89 and (perovskite and sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 08:23

## EAST Search History

S84	62	(perovskite with (metal adj oxide)) and ((gas adj sensor) or (calorimet\$4 adj sensor))	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/30 09:00
S92	22	(lanthan\$4 near2 chromi\$4) and (gas adj sensor)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/30 09:11
S93	107	((doped adj zirconia) (doped adj ceria) (bismuth adj oxide) same electrolyte) and (gas adj sensor)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/30 09:27
S96	1	"3897367".pn.	USPAT	OR	ON	2006/08/30 10:15
S95	162	(perovskite with (use\$4 or benefi\$4 or advantage\$4 or help\$4)) and (gas adj sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 10:23
S97	35	(perovskite with (useful or benefi\$4 or advantage\$4 or helpful)) and (gas adj sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 11:19
S98	2	((working adj electrode) with material) same ((doped adj ceria) (doped adj "lanthanum manganite") (perovskite))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 11:32
S99	14	(working adj electrode) same ((doped adj ceria) (doped adj "lanthanum manganite") (perovskite))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 11:40
S100	344	(electrode) same ((doped adj ceria) (doped adj "lanthanum manganite"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 11:41



## EAST Search History

S10 1	23	S100 and (gas adj sensor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 12:28
S10 3	384	sulfur near3 sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 12:29
S10 2	2	sulfur adj resistant adj sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 12:29
S10 4	41	sulfur adj sensor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 12:30
S10 6	67	blowback and sensor and controller	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 12:38
S10 5	52	blowback adj system	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/30 12:38
S22	3324	S17 S18 S19 S20 S21	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 12:47
S11 2	3324	S107 S108 S109 S110 S111	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 12:49
S11 1	108	204/290.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 12:49
S11 0	863	73/23.31.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 12:49

## EAST Search History

S10 9	444	205/784-785.5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 12:49
S10 8	528	204/431.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 12:49
S10 7	1954	204/424-429.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 12:49
S11 4	62	(US-20040129562-\$ or US-20020092779-\$ or US-20040175949-\$ or US-20030155240-\$ or US-20050084976-\$ or US-20030121801-\$ or US-20040089544-\$).did. or (US-6009742-\$ or US-6862915-\$ or US-7036982-\$ or US-6846458-\$ or US-6242263-\$ or US-6344173-\$ or US-6037183-\$ or US-5616850-\$ or US-5486336-\$ or US-5338515-\$ or US-5265417-\$ or US-7001495-\$ or US-6270651-\$ or US-4820386-\$ or US-4221206-\$ or US-4816800-\$ or US-4088555-\$ or US-4767468-\$ or US-4477687-\$ or US-3897367-\$ or US-3951603-\$ or US-5813764-\$ or US-5444974-\$ or US-4355056-\$ or US-4971452-\$ or US-4428817-\$).did. or (US-4597170-\$ or US-4702971-\$ or US-4455214-\$ or US-5772863-\$ or US-5989634-\$ or US-6019881-\$ or US-4851303-\$ or US-6036840-\$ or US-5413691-\$ or US-4226692-\$ or US-4812329-\$ or US-2954694-\$ or US-4735635-\$ or US-4342234-\$ or US-4430192-\$ or US-4947125-\$ or US-5186806-\$ or US-5393397-\$ or US-5902469-\$).did. or (US-3687631-\$ or US-2916358-\$).did. or (EP-849587-\$).did. or (US-6344173-\$ or EP-333103-\$ or DE-2533442-\$ or EP-703449-\$ or JP-49103699-\$ or JP-61076948-\$ or SU-1806827-\$).did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/30 13:16
S11 6	7	S114 and lanthan\$3 adj chromite	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 13:20
S11 5	0	S114 and "lanthan\$3 chromite"	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 13:20
S94	91	((doped adj zirconia) (doped adj ceria) (bismuth adj oxide)) same electrolyte) and (gas adj sensor)	US-PGPUB; USPAT; USOCR; EPO; DERWENT	OR	ON	2006/08/30 15:31

## EAST Search History

S11 7	37	olsen-kaj\$.xa,xp. and bosch	US-PGPUB; USPAT	OR	ON	2006/08/30 15:32
S11 8	6	S117 and (chrom\$7)	US-PGPUB; USPAT	OR	ON	2006/08/30 15:33
S11 9	4	S117 and (ceo2 or "ceo.sub.2 " or (cerium adj oxide) or ceria)	US-PGPUB; USPAT	OR	ON	2006/08/30 15:34
S12 2	1364	S120 and electrode	US-PGPUB; USPAT	OR	ON	2006/08/30 15:36
S12 1	20	S92 and electrode	US-PGPUB; USPAT	OR	ON	2006/08/30 15:36
S12 0	4579	(terbium or praeseodym\$ or pr or tb) with (ceria or (cerium adj oxide) or ceo2 or "ceo.sub.2 ")	US-PGPUB; USPAT	OR	ON	2006/08/30 15:36
S12 3	132	S120 same electrode	US-PGPUB; USPAT	OR	ON	2006/08/30 15:43
S12 4	1082	(422/94-97).CCLS.	USPAT; USOCR	OR	OFF	2006/08/30 15:44
S12 6	74	S124 and stainless adj steel	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 15:52
S12 5	17	S124 and perovskite	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/30 15:52
S12 7	133	servomex	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 08:35
S12 9	63	gas and analyzer and (blow adj back)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/31 09:22
S13 1	783	(73/23.31).CCLS.	USPAT; USOCR	OR	OFF	2006/08/31 09:57
S13 3	1	"4379412".pn.	USPAT	OR	ON	2006/08/31 10:03
S13 4	0	S133 and blow and filter and (probe or sensor) and control and (oxygen or "o. sub.2 ")	USPAT	OR	ON	2006/08/31 10:04
S13 6	1	S133 and (blow-back or blowback or blow or filter or probe or sensor or control or oxygen or "o.sub.2 ")	USPAT	OR	ON	2006/08/31 10:06
S13 5	1	S133 and (blow or filter or probe or sensor or control or oxygen or "o.sub. 2 ")	USPAT	OR	ON	2006/08/31 10:06

## EAST Search History

S13 2	4	S131 and (blow adj back) and (gas with analy\$4) and controller and filter and (probe or sensor)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 10:20
S13 7	3	"4618855".pn. "3785948".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 10:21
S13 8	48	blowback and exhaust and sensor	USPAT	OR	ON	2006/08/31 12:41
S12 8	1	"6862915".pn.	USPAT	OR	ON	2006/08/31 12:41
S14 0	22	(blow adj back) and exhaust and sensor and engine and oxygen	USPAT	OR	ON	2006/08/31 12:42
S13 9	126	(blow adj back) and exhaust and sensor	USPAT	OR	ON	2006/08/31 12:42
S14 2	10	((blow adj back) or blowback or backflush or (back adj flush)) and exhaust and (filter with sensor) and engine and oxygen	USPAT	OR	ON	2006/08/31 12:44
S14 1	69	((blow adj back) or blowback or backflush or (back adj flush)) and exhaust and sensor and engine and oxygen	USPAT	OR	ON	2006/08/31 12:44
S14 3	1	((blow adj back) or blowback or backflush or (back adj flush)) and exhaust and (filter with sensor) and engine and (sensor with oxygen)	USPAT	OR	ON	2006/08/31 12:45
S14 4	5	((blow adj back) or blowback or backflush or (back adj flush)) and (exhaust or flue) and (filter with sensor) and (sensor with oxygen)	USPAT	OR	ON	2006/08/31 12:53
S14 6	14	("4094187"   "4134289"   "4738147"   "4974455"   "5178022"   "5209102"   "5237881"   "5423228"   "5473951"). PN. OR ("5627328").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 14:43
S15 2	3325	S147 S148 S149 S150 S151	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 14:46
S15 1	108	204/290.1.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 14:46
S15 0	863	73/23.31.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 14:46
S14 9	444	205/784-785.5.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 14:46
S14 8	529	204/431.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 14:46
S14 7	1954	204/424-429.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 14:46

## EAST Search History

S15 3	232	S152 and (reference adj electrode) same (gold or Au)	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 14:47
S15 4	115	S153 and (electrolyte with (zirconia or ceria or (bismuth adj oxide)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 16:20
S15 5	29	S154 and (((working adj electrode) or (active adj electrode) or (sensing adj electrode)) with (platinum or (metal adj oxide) or ceria or (lanthanum adj manganite) or perovskite))	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/31 16:24
S15 6	1	"3909385".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 07:32
S14 5	1	"5627328".pn. and (((blow adj back) or blowback or backflush or (back adj flush)) and (exhaust or flue) and (filter with sensor) and (sensor with oxygen) or control)	USPAT	OR	ON	2006/09/01 07:38
S15 7	821	sulfur with (poison\$4 or resist\$4 or contaminat\$4) with (electrode or sensor or probe or cell)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 07:39
S15 8	118	(sulfur adj (poison\$4 or resist\$4 or contaminat\$4)) with (electrode or sensor or probe or cell)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 07:46
S15 9	1	"4355056".pn.	USPAT	OR	ON	2006/09/01 08:25
S16 1	2	catalytic adj (heat adj flux) near3 sensor	USPAT	OR	ON	2006/09/01 08:27
S16 0	1	"5314828".pn.	USPAT	OR	ON	2006/09/01 08:46
S16 2	1	"5627328".pn.	USPAT	OR	ON	2006/09/01 10:02
S16 3	1	"5627328".pn. and (sulfur or SO2 or SOx or "SO.sub.2 " or "SO.sub.x ")	USPAT	OR	ON	2006/09/01 10:04
S4	3	Manoharan-Ramasamy.in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 12:15
S16 4	71	chromite with electrode with doped with (lanth\$ or cerium or praseody\$)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 12:23
S16 6	7	("oxygen sensor" or ("o.sub.2" adj sensor)) and (electrode with fluorite)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 12:37
S16 9	1	("5766789").PN.	USPAT; USOCR	OR	OFF	2006/09/01 12:46
S11 3	138	S112 and (electrode same ((doped adj ceria) (doped adj "lanthanum manganite") (perovskite)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 13:22

## EAST Search History

S17 0	204	((gas adj sensor) or ((oxygen or "o. sub.2 ") adj sensor) or ((NOx or "NO. sub.x") adj sensor)) and (((reference adj electrode) or (standard adj electrode) or (inactive adj electrode)) with (gold or Au or (doped adj "lanthan\$ chromite"))))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 13:35
S17 1	11	((gas adj sensor) or ((oxygen or "o. sub.2 ") adj sensor) or ((NOx or "NO. sub.x") adj sensor)) and (((reference adj electrode) or (standard adj electrode) or (inactive adj electrode)) with (gold or Au or (doped adj "lanthan\$ chromite")))) and (electrolyte with ((doped adj zirconi\$) or (doped adj ceria) or (bismuth adj oxide)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 13:37
S16 5	15	chromite with electrode with doped with (lanth\$ or cerium or praseody\$) and sensor	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 14:24
S17 2	13	chromite with electrode with doped with (lanth\$ or cerium or praseody\$) and sensor and manganite	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 14:28
S17 3	0	"gas sensor" and (electrode with doped with "lanthanum manganite")	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 14:30
S17 5	1	("4490444").PN.	USPAT	OR	OFF	2006/09/01 14:32
S17 4	10	"gas sensor" and (electrode with doped with "lanthanum manganite")	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 14:32
S16 7	5	("oxygen sensor" or ("o.sub.2" adj sensor)) and (electrode with (ceria and (terbi\$ or Tb or Pr or Praseody\$)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 14:50
S17 6	1805	("oxygen sensor" or ("o.sub.2" adj sensor)) and (electrode with (Platinum or Pt))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 14:51
S17 7	51	S176 and electrolyte with ((doped adj zirconia) or (doped adj ceria))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 14:52
S16 8	10	("oxygen sensor" or ("o.sub.2" adj sensor)) and (electrode with ((ceria or Ce or "Ce.sub"\$) and (terbi\$ or Tb or "Tb.sub"\$ or "Pr.sub"\$ or Pr or Praseody\$)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 15:27
S17 8	134	("oxygen sensor" or ("o.sub.2" adj sensor)) and (electrode with ((ceria or Ce or "Ce.sub"\$)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 15:29
S17 9	57	("oxygen sensor" or ("o.sub.2" adj sensor)) and (electrode near7 ((ceria or Ce or "Ce.sub"\$)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 15:30
S18 1	1	("5037525").PN.	USPAT; USOCR	OR	OFF	2006/09/01 15:35

## EAST Search History

S18 0	17	("oxygen sensor" or ("o.sub.2" adj sensor)) and (electrode near3 ceria)	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/01 15:35
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